

INTERNATIONAL SEARCH REPORT

CT/IB 05/09/5

10/528949

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B7/06 H04Q 23 MAR 2003

Rec'd

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WO 01 76110 A (QUALCOMM INC) 11 October 2001 (2001-10-11) abstract page 2, line 8 - line 22 page 3, line 6 - line 24 page 4, line 11 - line 14 page 5, line 3 -page 6, line 10 page 14, line 16 -page 15, line 15 page 16, line 10 - line 14 figure 1</p> <p>---</p>	1-13
Y	<p>EP 1 207 645 A (LUCENT TECHNOLOGIES INC) 22 May 2002 (2002-05-22) abstract column 3, line 19 - line 39 column 5, line 18 - line 34 figure 1</p> <p>---</p> <p>---</p>	1-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

^a Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

13 November 2003

Date of mailing of the international search report

04/12/2003

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

CT/IB 03/03985

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 211 820 A (LUCENT TECHNOLOGIES INC) 5 June 2002 (2002-06-05) abstract column 1, line 51 -column 2, line 13 column 2, line 50 -column 3, line 33 column 4, line 15 - line 37 -----	1-13
A	SANDHU S ET AL: "Near-optimal selection of transmit antennas for a MIMO channel based on shannon capacity" IEEE 2000, vol. 1, 29 October 2000 (2000-10-29), pages 567-571, XP010535430 paragraphs 1., 2. and 5. figure 1 -----	1-13

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 0176110	A 11-10-2001	US AU CA EP JP NO TW WO	6473467 B1 4592101 A 2402152 A1 1269665 A2 2003530010 T 20024634 A 508922 B 0176110 A2	29-10-2002 15-10-2001 11-10-2001 02-01-2003 07-10-2003 20-11-2002 01-11-2002 11-10-2001
EP 1207645	A 22-05-2002	CA CN EP JP	2361886 A1 1354610 A 1207645 A1 2002217752 A	16-05-2002 19-06-2002 22-05-2002 02-08-2002
EP 1211820	A 05-06-2002	US EP	2002068611 A1 1211820 A1	06-06-2002 05-06-2002